

Title (en)
DEGRADABLE SHEET MATERIAL

Title (de)
ABBAUBARES BLATTMATERIAL

Title (fr)
MATÉRIAU EN FEUILLE DÉGRADABLE

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Abstract (en)
[origin: WO2018134071A1] The present invention provides a sheet material formed of a degradable composition, the composition comprising: 30 to 80 wt% calcium carbonate by weight of the composition; an additive; and the balance a polymer selected from polyethylene, polypropylene and copolymers and blends thereof, wherein the additive comprises, by combined weight of the additive and the polymer: (a) two or more transition metal compounds in a total amount of from 0.15 to 0.6 wt%; (b) a mono-or poly-unsaturated C14-C24 carboxylic acid, or an ester, anhydride or amide thereof, in an amount of from 0.04 to 0.08 wt%; (c) a synthetic rubber in an amount of from 0.04 to 0.2 wt%; and, optionally: (d) dry starch in an amount of from 0 to 20 wt%; and/or (e) calcium oxide in an amount of from 0 to 1 wt%; and/or (f) aphenolic antioxidant stabilizer in an amount of from 0 to 0.2 wt%; wherein the two or more transition metal compounds are selected from iron, manganese, copper, zinc, titanium, cobalt and cerium compounds and wherein the transition metals in the two or more transition metal compounds are different.

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